

A cross-sectional view of a tapered optical waveguide. The device consists of a central core (10) and two cladding layers (12 and 14). The core (10) is a horizontal line with a central section (14) that is wider than the tapered sections. The cladding layers (12 and 14) are the regions above and below the core. The device is shown in a tapered configuration, with the core and cladding layers narrowing from left to right. The input end on the left is labeled with points A and B, and the output end on the right is labeled with points C and D. The input diameter is labeled D1, the output diameter is labeled D3, and the length of the tapered section is labeled L1. A central horizontal line with an arrow pointing to the right indicates the direction of light propagation.

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